

In The Specification:

Page 56, line 14, after "tris base" change "(mm)," to -- (mM), -- .

Page 56, line 18, after "incubating at 37°" and

before "for 5 to \*" insert -- C. -- .

Page 56, line 22, insert -- ® -- after "Sephadex"

Page 57, line 22, insert -- ® -- after "Sephadex".

? NE Page 57, line 23, insert -- ® -- after "Sephadex".

Page 57, line 10, change "1-ethyl-3-diisopropylaminocarboimide"

to --1-ethyl-3-diisopropylaminocarbodiimide -- .

Page 59, line 22, insert -- ® -- after "Sephadex".

Page 60 lines 15, insert -- ® -- after "Sephadex".

Page 60, line 28, insert -- ® -- after "Sephadex".

Page 67, line 23, insert -- ® -- after "Sephadex".

Page 69, lines 4 and 23, insert -- lambda -- before the word "DNA".

Page 77, line 3, insert -- ® -- after "Sephadex".

Page 79, line 2, after "Calf intestine alkaline".

change "phosphate" to --phosphatase -- .

Page 80, line 22, insert -- ® -- after "Sephadex".

Page 81, line 6, insert -- ® -- after "Sephadex".

Page 81, line 14, insert -- ® -- after "Sephadex".

Page 81, line 20, change "ethyl-3-(3-diimethylaminopropyl) carbodimide"

to -- ethyl-3-(3-diimethylaminopropyl) carbodiimide --.

Page 81, line 23, insert -- ® -- after "Sephadex".

In The Claims:

Cancel claim 283.

Amend claims 284, 293 and 327 as follows:

Claim 284, line 3, in step (a), change "permitting hybridization of"  
to -- hybridizing -- .

Claim 284, penultimate line, after "detecting the presence of"  
and before "any of the oligo-" insert -- Sig in -- .